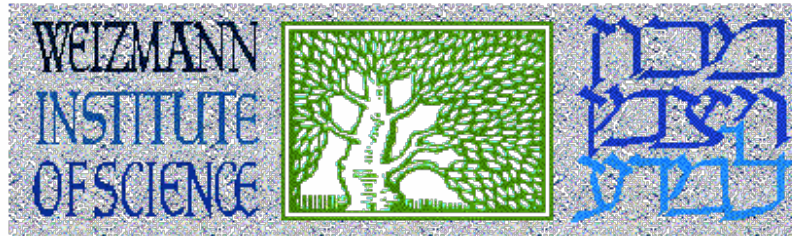


# TPC R&D

Sasha Milov  
Ilia Ravinovich



# Status

Clean room construction completed

Existing equipment is being brought in.

- LFT

- Scope

- Turbo pump (need test)

- Blue logic units

- some smaller items

Gas system. Expect to be constructed this week. If not, may cause a delay of another week due to Passover.

Purchased HV system (CAEN) delivered

Purchased few GEMs from CERN, to start with. Also some smaller items, glue, etc.

Test cell, still with designers.

DAQ ordered, but only partially delivered.

# Needs:

- |   |        |
|---|--------|
| 1. Build the TPC test cell, including design:           | \$15K. |
| 2. GEMs / Micromegas / PCBs:                            | \$10K. |
| 3. Laser for test cell:                                 | \$10K. |
| 4. Bottle of CF <sub>4</sub> (other gases are cheaper): | \$5K.  |
| 5. Travels to the USA:                                  | \$10K. |